Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/13/2020 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124389	-1	2.96	124514	2.94
Blue	F	SSC	125000	124568	-1	1.97	125255	2.02
Blue	E	FITC	15892	15398	-4	2.91	334	21.27
Blue	D	PE	29999	29272	-3	2.17	639	15.38
Blue	B	PerCP-Cy5-5	43732	43174	-2	3.87	1156	21.72
Blue	A	PE-Cy7	30845	30860	0	6.39	586	42.51
Red	C	APC	46112	45166	-3	2.55	1593	12.40
Red	A	APC-Cy7	30458	29492	-4	2.49	779	12.22
Violet	B	V450	7918	7604	-4	3.98	436	13.51
Violet	A	V500	32171	31207	-3	3.80	732	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16857	15.16	639	18	N/A	N/A	Pass
Blue	F	SSC	57520	1.29	576	17	N/A	N/A	Pass
Blue	E	FITC	62	67.39	552	9	0.0179	161	Pass
Blue	D	PE	132	52.05	558	10	0.1469	264	Pass
Blue	B	PerCP-Cy5-5	214	51.70	665	9	0.0078	20	Pass
Blue	A	PE-Cy7	110	106.44	711	13	0.0102	22	Pass
Red	C	APC	380	25.48	590	6	0.0230	109	Pass
Red	A	APC-Cy7	171	29.86	560	4	0.0054	1173	Pass
Violet	B	V450	65	62.90	464	6	0.0455	2083	Pass
Violet	A	V500	108	36.72	479	5	0.0239	1270	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/13/2020 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.86	-32.03	0.99
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.03	13.60 - 20.40	N/A	N/A	29.16	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9821

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments